Layer (type)	Output Shape	Param #	
input_1 (InputLayer)	(None, 1)	0	=======================================
lambda_1 (Lambda)	(None, 512)	0	
dense_1 (Dense)	(None, 128)	65664	<del> </del>
dropout_1 (Dropout)	(None, 128)	0	<del> </del>
dense_2 (Dense)	(None, 1)	129	<del> </del>
Total params: 65,793 Trainable params: 65,		-=======	=======================================

Non-trainable params: 0

Train on 90000 samples, validate on 60000 samples Epoch 2/20 90000/90000 [==============] - 234s 3ms/step - loss: 0.3113 - acc: 0.8653 - val\_loss: 0.3069 - val\_acc: 0.8669 Epoch 4/20 90000/90000 [===============] - 227s 3ms/step - loss: 0.3030 - acc: 0.8690 - val\_loss: 0.3055 - val\_acc: 0.8672 Epoch 5/20 Epoch 6/20 Epoch 7/20 90000/90000 [===============] - 225s 2ms/step - loss: 0.2822 - acc: 0.8812 - val\_loss: 0.2866 - val\_acc: 0.8782 Epoch 8/20 Epoch 9/20 90000/90000 [================] - 224s 2ms/step - loss: 0.2716 - acc: 0.8855 - val\_loss: 0.2797 - val\_acc: 0.8812 Fnoch 10/20 Epoch 11/20 Epoch 12/20 90000/90000 [===============] - 226s 3ms/step - loss: 0.2566 - acc: 0.8937 - val\_loss: 0.2755 - val\_acc: 0.8837 Epoch 13/20 90000/90000 [===============] - 223s 2ms/step - loss: 0.2506 - acc: 0.8959 - val\_loss: 0.2704 - val\_acc: 0.8875 Epoch 14/20 Epoch 15/20 Epoch 16/20 Epoch 17/20 Epoch 18/20 90000/90000 [==============] - 224s 2ms/step - loss: 0.2304 - acc: 0.9051 - val\_loss: 0.2508 - val\_acc: 0.8958 Epoch 19/20 90000/90000 [===============] - 225s 2ms/step - loss: 0.2270 - acc: 0.9078 - val\_loss: 0.2499 - val\_acc: 0.8976 Fnoch 20/20 

Test score: 0.21568876795768738

Test accuracy: 0.91508

